

IMPROVED COOLING SYSTEM FOR A COMMERCIAL AIRCRAFT GALLEY

Abstract of the Disclosure

In the improved cooling system for a commercial aircraft galley, heat is transferred from a galley food cart by a point-of-use heat exchange system to a liquid cooled condenser. Liquid coolant for the liquid cooled condenser is circulated in a liquid coolant loop to a heat exchanger expelling heat for cooling the liquid coolant. The liquid coolant may be water or a mixture of water and glycol. A flow of cooling air from a heat exchanger cooled by the liquid cooled condenser is cycled through an air over system, through an air through system, or from a thermal convection air cooling system providing at least one cooled galley food cart surface to provide cooling. Heat may be transferred from a plurality of galley food carts to the circulating liquid coolant.

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